

AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows. Please replace paragraph 49 of the specification as originally filed with the paragraph below:

- [0032] In achieving diffraction-limited resolution over a wide field of view, optical power may be needed on multiple surfaces. As shown in Fig. 5, an array 45 of micro-cameras 50 has an array of optical systems 60 rather than an array of micro-lenses 22. Each micro-camera 50 includes an optical system 60, a subset of the ~~an~~ array of macro-pixels 54 and a subset of the ~~an~~ array of sensors 56. The macro-pixel array 54 may include the array of micro-pixels 32 noted above as features therein.
- [0033] The array of optical systems ~~optical system~~ 60 may include a plurality of substrates 68, 70, which may be separated by a spacer 72. The spacer 72 may be integral with one of the substrates 68, 70 or may be formed on a separate spacer substrate. In the particular embodiment shown, the optical system 60 includes a portion of the substrate 68, a portion of the substrate 70, a first refractive lens 62 on a top surface of the corresponding portion of the substrate 68, a diffractive lens 64 on a bottom surface of the corresponding portion of the substrate 68, and a second refractive lens 66 on a top surface of the corresponding portion of the substrate 70. The diffractive lens 64 may correct for aberrations.